What we claimed are:

1. An interactive data analysis support apparatus for supporting the analysis of data, said apparatus comprising:
cross tabulation display means for displaying according to specified summing up conditions a cross tabulation in which data to be analyzed is cross summed up,
cell specifying means for specifying at least one cell among a number of cells constituting said cross tabulation, and
graph display means for displaying the data to be analyzed as a graph within the range of the cell specified by said cell specifying means.

2. An interactive data analysis support apparatus according to claim 1, wherein said graph display means comprises display limiting means for limiting the range of the data to be displayed.

3. An interactive data analysis support apparatus according to claim 2, wherein said graph display means comprises storage means for storing the range of the data to be displayed which is limited by said display limiting means as a summing up condition used by said cross tabulation display means, and said cross tabulation display means is capable of displaying cross tabulation in which the data to be analyzed is cross-summed up according to the stored summing up condition.

4. An interactive data analysis support apparatus according to claim 1, wherein said graph display means comprises rearranging means for automatically rearranging the data to be displayed according to predetermined conditions.

5. An interactive data analysis support apparatus according to claim 4, wherein said graph display means comprises storage means for storing data to be displayed which is rearranged by said rearranging means as a summing up condition used by said cross tabulation display means, and said cross tabulation display means is capable of displaying cross tabulation in which the data to be analyzed is cross-summed up according to the stored summing up condition.

6. An interactive data analysis support apparatus according to claim 1, wherein said graph display means comprises: automatic analyzing means for finding a new display item by extracting a characteristic of said data to be analyzed, and display item-adding means for adding the found new display item to the graph.

7. An interactive data analysis support apparatus according to claim 6, wherein said graph display means comprises storage means for storing the new display item added by said display item-adding means as a summing up condition used by said cross tabulation display means, and said cross tabulation display means is capable of displaying cross tabulation in which the data to be analyzed is cross-summed up according to the stored summing up condition.

8. An interactive data analysis support apparatus according to claim 1, wherein said data to be analyzed is an aggregate of records composed of a number of data items.

9. An interactive data analysis support apparatus according to claim 8, wherein said graph display means includes random extraction means for extracting a predetermined number of records at random from said data to be analyzed, so that a graph is displayed based on the extracted data.

10. An interactive data analysis support apparatus according to claim 8, wherein said graph display means has a structure such that a graph is displayed designating said data item as an axis.

11. An interactive data analysis support apparatus according to claim 10, wherein said graph display means comprises the same number of axes as the data items constituting said records, and plots a point corresponding to a value of each data item with regard to each of said records, to thereby display a graph in which points plotted on adjacent axes are connected by a segment.

12. A medium on which is recorded an interactive data analysis support program for supporting the analysis of data wherein there is recorded at least a program for executing:
a cross tabulation display function for displaying according to specified summing up conditions a cross tabulation in which data to be analyzed is cross-summed up,
a cell specifying function for specifying at least one cell among a number of cells constituting said cross tabulation, and
a graph display function for displaying the data to be analyzed as a graph within the range of the cell specified by said cell specifying function.

13. A medium on which is recorded an interactive data analysis support

program according to claim 12, wherein said graph display function comprises a display limiting function for limiting the range of the data to be displayed.

14. A medium on which is recorded an interactive data analysis support program according to claim 13, wherein said graph display function comprises a storage function for storing the range of the data to be displayed which is limited by said display limiting function as a summing up condition used by said cross tabulation display function, and said cross tabulation display function is capable of displaying cross tabulation in which the data to be analyzed is cross-summed up according to the stored summing up condition.

15. A medium on which is recorded an interactive data analysis support program according to claim 12, wherein said graph display function comprises a rearranging function for automatically rearranging the data to be displayed according to predetermined conditions.

16. A medium on which is recorded an interactive data analysis support program according to claim 15, wherein said graph display function comprises a storage function for storing data to be displayed which is rearranged by said rearranging function as a summing up condition used by said cross tabulation display function, and said cross tabulation display function is capable of displaying cross tabulation in which the data to be analyzed is cross-summed up according to the stored summing up condition.

17. A medium on which is recorded an interactive data analysis support program according to claim 12, wherein said graph display function comprises: an automatic analyzing function for finding a new display item by extracting a characteristic of said data to be analyzed, and a display item-adding function for adding the found new display item to the graph.

18. A medium on which is recorded an interactive data analysis support program according to claim 17, wherein said graph display function comprises a storage function for storing the new display item added by said display item-adding function as a summing up condition used by said cross tabulation display function, and said cross tabulation display function is capable of displaying cross tabulation in which the data to be analyzed is cross-summed up according to the stored summing up condition.

19. A medium on which is recorded an interactive data analysis support program according to claim 12, wherein said data to be analyzed is an aggregate of records composed of a number of data items.

20. A medium on which is recorded an interactive data analysis support program according to claim 19, wherein said graph display function includes a random extraction function for extracting a predetermined number of records at random from said data to be analyzed, so that a graph is displayed based on the extracted data.

21. A medium on which is recorded an interactive data analysis support program according to claim 19, wherein said graph display function has a structure such that a graph is displayed designating said data item as an axis.

22. A medium on which is recorded an interactive data analysis support program according to claim 21, wherein said graph display function comprises the same number of axes as the data items constituting said records, and plots a point corresponding to a value of each data item with regard to each of said records, to thereby display a graph in which points plotted on adjacent axes are connected by a segment.